

PROGRAM

September 28, 2006

Harris State Building
1515 Clay Street
Oakland, CA

8:00 am REGISTRATION

9:15 am WELCOMING REMARKS

Chris Poland, Chair, Strong Motion Instrumentation
Advisory Committee (SMIAC)
John Parrish, State Geologist, California Geological Survey
Anthony Shakal, Program Manager, Strong Motion
Instrumentation Program

9:25 am INTRODUCTION

Moh Huang, Strong Motion Instrumentation Program

SESSION I

Moderator: **Maurice Power**, Geomatrix Consultants, Inc., SMIAC

9:30 am Rupture Process of the 2004 Parkfield Earthquake
Utilizing Near-Fault Seismic Records and Implications for
ShakeMap
Douglas Dreger and **Ahyi Kim**, University of California,
Berkeley

9:55 am Implication of the Rupture Process and Site Effects in the
Spatial Distribution and Amplitude of the Near-Fault
Ground Motion from the 2004 Parkfield Earthquake
Arben Pitarka, Nancy Collins, **Hong-Kie Thio**, **Robert Graves**
and **Paul Somerville**, URS Corporation

10:20 am Questions and Answers for Session I

10:30 am BREAK

SESSION II

Moderator: **Chris Poland**, Degenkolb Engineers, SMIAC

10:50 am Instability Inducing Potential of Near-Fault Motions
Dennis Bernal, **Arash Nasser**i, and **Yalcin Bulut**,
Northeastern University

11:15 am Development of Improved Intensity Measures and
Improved ShakeMaps for Loss Estimation and Emergency
Response
Eduardo Miranda, Stanford University

11:40 am Questions and Answers for Session II

11:50 am LUNCH

SESSION III

Moderator: **Vern Persson**, SMIAC

1:00 pm Study of Wood-Frame Building Records from the Parkfield
and San Simeon Earthquakes
John Hall and **Daniel Sutoyo**, California Institute of Technology

1:25 pm Evaluation of the Seismic Response of Hwy 46/Cholame
Creek Bridge During the 2004 Parkfield Earthquake
B. Tom Boardman, **Zia Zafir** and **Ed Rinne**, Kleinfelder, Inc.
Tony Sanchez and **Joe Tognoli**, TY Lin-International,
Geoff Martin, University of Southern California

1:50 pm Questions and Answers for Session III

2:00 pm BREAK

SESSION IV

Moderator: **Wilfred Iwan**, Caltech, SMIAC

2:15 pm Turkey Flat Blind Prediction Experiment Results
Anthony Shakal, CSMIP, California Geological Survey,
Chuck Real, Seismic Hazard Zonation Program, California
Geological Survey and *others*

3:05 pm Questions and Answers for Session IV

3:15 pm ADJOURN

If you have any questions on the Seminar or need nearby hotel information,
contact CGS/CSMIP at (888) 472-7647 or (916) 322-3105, or e-mail
smipdata@consrv.ca.gov.

For information on earthquakes in California, visit www.quake.ca.gov.

The Internet Quick Report (IQR) has been developed under CISN by CGS/CSMIP
and USGS/NSMP to rapidly distribute strong-motion data and related information is
found at: www.quake.ca.gov/cisn-edc.

For information about the CSMIP program, visit the website at:
www.conservation.ca.gov/CGS/smip.

SMIP06 Seminar Registration Form

Name _____

Organization _____

Address _____

City, State, Zip _____

Phone _____ Fax _____

E-Mail _____

Registration fee (includes seminar proceedings, powerpoint
presentation handouts and lunch)

_____ \$75 per person

_____ \$50 for government employees

_____ \$20 for students (age 35 and under)

_____ add \$10 if registration postmarked after September 21

_____ Total amount enclosed

Please make check payable to Department of Conservation and mail
with registration form to:

SMIP06 Seminar
Department of Conservation
Strong Motion Instrumentation Program
801 K Street, MS 13-35
Sacramento, CA 95814

If paying by credit card you can mail your registration form using the
above address or fax to (916) 323-7778

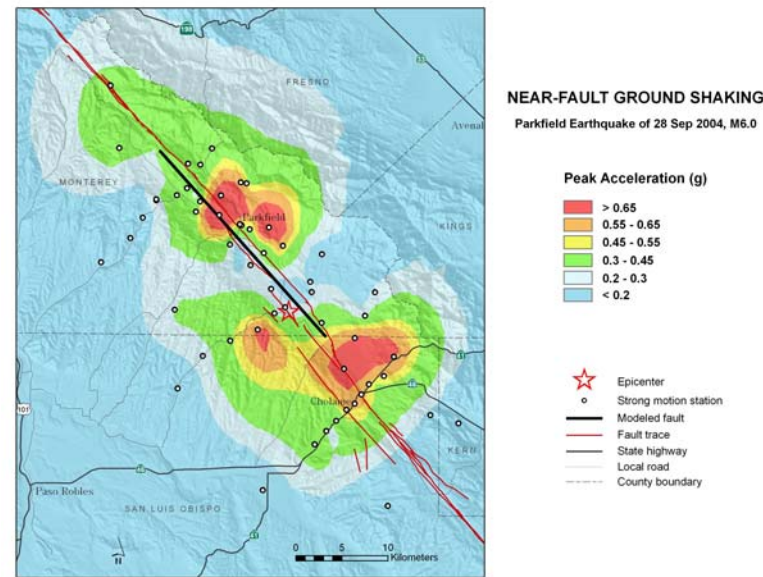
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SMIP06 Seminar on Utilization of Strong-Motion Data

September 28, 2006
Oakland, California

Near-Fault Ground Shaking Map of the Parkfield M6.0 Earthquake of September 28, 2004



California Department of Conservation
California Geological Survey
Strong Motion Instrumentation Program



SMIP06 Seminar on Utilization of Strong-Motion Data

The purpose of this annual Seminar is to increase the utilization of strong-motion data in improving post-earthquake response, seismic code provisions and design practices. The Seminar is the seventeenth in a series of annual events designed to transfer recent research findings on strong-motion data to practicing seismic design professionals and earth scientists. The goal is to provide information that will be useful immediately in seismic design practice and post-earthquake response and, in the longer term, in the improvement of seismic design codes and standards.

In July 2001, the California Office of Emergency Services began funding for the California Integrated Seismic Network (CISN), a newly formed consortium of institutions engaged in statewide earthquake monitoring that grew out of the original TriNet, funded by FEMA, and includes CGS, USGS, Caltech and UC Berkeley. The goals of the project are to record and rapidly communicate ground shaking information in southern California, and to analyze the data for the improvement of seismic codes and standards. CISN produces ShakeMaps of ground shaking, based on shaking recorded by stations in the network, within minutes following an earthquake. The ShakeMap identifies areas of greatest ground shaking for use by OES and other emergency response personnel in the event of a damaging earthquake. The CISN will improve seismic instrumentation and provide statewide ground shaking intensity maps. It will also distribute and archive strong-motion records of engineering interest and seismological data for all recorded earthquakes, and provide training for users (www.cisn.org).

